

Ground Lesson: Multi Engine Ops

Performance and Limitations

Objectives:

1. exhibit knowledge of the elements related to Multi Engine Performance during normal & single engine operations
2. student is able to perform accurate takeoff calculations including accelerate-stop, accelerate-go, and weight and balance.

Schedule:

Activity	Est. Time
Ground	1.0
Total	1.00

Recommended Readings:

AFH	Chapter 12: 12-8 to 12-12
POH	Section 5: Performance
	Section 6: Weight & Balance

Elements Ground:

- **Performance Charts**
 - takeoff distance charts
 - assumptions?
 - accelerate-stop
 - accelerate-go
 - climb gradient
 - service ceilings
 - all engine vs single engine
- **Weight and Balance**
 - Weight Definitions
 - Max Ramp Weight
 - Zero Fuel Weight
 - Max Takeoff Weight
 - Max Landing Weight
 - CG implications for SEO